## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default<br>Operator | Plurals | Time Stamp          |
|-------|------|---|---|---------------------|---------|---------------------|
| L1    | 2923 | (tungsten or W or tungstate) and CTAB   | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2008/02/27<br>14:57 |
| L2    | 0    | 1 and proous  | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2008/02/27<br>14:57 |
| L3    | 421  | 1 and porous  | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2008/02/27<br>14:57 |
| L4    | 231  | 3 and surfactant  | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2008/02/27<br>14:57 |
| L5    | 47   | 4 and zirconia  | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2008/02/27<br>14:57 |
| L6    | 613  | (tungsten or W or tungstate) same CTAB  | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2008/02/27<br>14:58 |
| L7    | 53   | 6 and porous  | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2008/02/27<br>14:58 |
| L8    | 1682 | (tungsten or W or<br>tungstate) same porous<br>and surfactant   | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2008/02/27<br>14:59 |
| L10   | 38   | 8 and (ctab same surfactant)  | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2008/02/27<br>15:00 |
| L11   | 45   | Pinnavaia and ctab  | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2008/02/27<br>15:03 |
| L12   | 17   | Pinnavaia.in. and ctab  | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2008/02/27<br>15:03 |
| S1    | 2    | ("6391818" or "6090746").<br>pn.  | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2007/10/25<br>11:51 |
| 82    | 1    | "10/558917".app.  | US-PGPUB;<br>USPAT  | OR                  | OFF     | 2007/10/25<br>11:57 |
| S3    | 7    | ("5840111" "5879715"<br>"6074979" "6090746"<br>"6391818" "6603038"<br>"6686308").pn.<br>2003/0069131.did. | US-PGPUB;<br>USPAT  | OR                  | ON      | 2007/11/07<br>11:45 |
| S4    | 2532 | nanoparticles catalyst<br>porous  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND                 | ON      | 2007/11/07<br>15:11 |
| S5    | 1550 | S4 and gel  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND                 | ON      | 2007/11/07<br>15:13 |

| S6  | 1407 | S5 and (polymer or polymerized) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | MAND | ON | 2007/11/07<br>15:14 |
|-----|------|---------------------------------|---|------|----|---------------------|
| S7  | 866  | S6 and surfactant               | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | ON | 2007/11/07<br>15:15 |
| S8  | 61   | S7 and (aerogel or<br>xerogel)  | US-PCPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | ON | 2007/11/07<br>15:16 |
| S9  | 0    | S7 and 558/56.3.ccls.           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | ON | 2007/11/07<br>15:18 |
| S10 | 0    | S7 and 228/56.3.ccls.           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | ON | 2007/11/07<br>15:18 |
| S11 | 0    | S7 and "228".das.               | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | ON | 2007/11/07<br>15:19 |
| S12 | 37   | S7 and "502".das.               | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | ON | 2007/11/07<br>15:19 |
| S13 | 0    | S7 and "502/76".cols.           | US-PCPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | AND  | ON | 2007/11/07<br>15:21 |

| S14 | 41  | "502/76".cds.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | MAND    |            | 2007/11/07<br>15:21 |
|-----|-----|---|---|---------|------------|---------------------|
| S15 | 0   | nanoparticle and porous<br>adj coating near<br>surfactant | US PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DEFWENT;<br>IBM_TDB | AND     | ON         | 2007/11/07<br>16:17 |
| S16 | 176 | nanoparticle and porous<br>adj coating                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND     | ON         | 2007/11/07 16:20    |
| S17 | 103 | S16 and (surfactant or<br>tenside)                        | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>JBM_TDB | AND     | O <b>X</b> | 2007/11/07<br>16:20 |
| S18 | 58  | S17 and catalyst  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND     | (ON        | 2007/11/07<br>16:21 |
| S19 | 20  | S18 and metal adj oxide                                   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND     | ON         | 2007/11/07<br>16:22 |
| S20 | 19  | porous adj nanoparticles<br>and surfactant                | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | » (MAND | ON         | 2007/11/07<br>16:24 |
| S21 | 9   | (porous and nanoparticle<br>and catalyst).ti.             | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND     | ON         | 2007/12/03<br>10:03 |
| S22 | 18  | nanoparticle with porous with catalyst                    | US-PGPUB;<br>USPAT  | OR      | OFF        | 2008/02/26<br>14:46 |
| S23 | 0   | ("2007/0009417").URPN.                                    | USPAT   | OR      | ON         | 2008/02/26<br>14:50 |

| S24 | 79     | (porous and catalyst).ti.  | USPAT   | OR | ON | 2008/02/26<br>15:41 |
|-----|--------|--|---|----|----|---------------------|
| S25 | 51     | S24 and (vanadium V<br>tungsten W niobium Nb<br>tantalum Ta Rhenium Rh<br>molybdenum Mb) | USPAT   | OR | ON | 2008/02/26<br>15:52 |
| S26 | 4      | S25 and nanoparticle   | USPAT   | OR | ON | 2008/02/26<br>15:52 |
| S27 | 53     | S24 and (vanadium V<br>tungsten W niobium Nb<br>tantalum Ta Rhenium Re<br>molybdenum Mb) | USPAT   | OR | ON | 2008/02/26<br>15:54 |
| S28 | 5      | S27 and nanoparticle   | USPAT   | OR | ON | 2008/02/26<br>15:54 |
| S29 | 40827  | (support or supported) with catalyst   | USPAT   | OR | ON | 2008/02/26<br>15:55 |
| S30 | 111209 | (support or supported)<br>with catalyst  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/26<br>15:55 |
| S31 | 29018  | S30 and porous   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/26<br>15:56 |
| S32 | 747    | S31 and nanoparticle   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/26<br>15:56 |
| S33 | 676    | S32 and (vanadium V<br>tungsten W niobium Nb<br>tantalum Ta Rhenium Re<br>molybdenum Mb) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/26<br>15:56 |
| S34 | 415    | S33 and (metal adj oxide)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/26<br>15:58 |
| S35 | 200    | S34 and gel  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/26<br>15:58 |

| S36 | 102 | S35 and surfactant                     | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/26<br>15:58 |
|-----|-----|--|---|----|----|---------------------|
| S37 | 102 | S36 and method                         | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/26<br>15:59 |
| S38 | 42  | S36 and (nanoparticle<br>same support) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/26<br>16:00 |

<sup>2/27/2008 3:57:41</sup> PM

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